

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/007880 A1

(51) International Patent Classification⁷: C12Q 1/48,
1/42, 1/18

(21) International Application Number:
PCT/IB2004/003096

(22) International Filing Date: 19 July 2004 (19.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/487,943 18 July 2003 (18.07.2003) US

(71) Applicant (for all designated States except US): INSTI-
TUT PASTEUR [FR/FR]; 25-28, rue du Docteur Roux,
F-75015 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ALZARI, Pedro
[IT/FR]; 141, rue de Vaugirard, F-75015 Paris (FR).
BOITEL, Brigitte [FR/FR]; 36, rue de Sahel, F-75012
Paris (FR). VILLARINO, Andréa [UY/FR]; 198 bis rue
Raymond Losserand, F-75014 Paris (FR). FERNANDEZ,
Pablo [AR/FR]; 197, rue de Tolbiac, F-75013 Paris (FR).
COLE, Stewart [GB/FR]; 23 bis, rue Cécile Dinant,
F-92140 Clamart (FR).

(74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regim-
beau, 20, rue de Chazelles, F-75847 Paris Cedex 17 (FR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- of inventorship (Rule 4.17(iv)) for US only
- of inventorship (Rule 4.17(iv)) for US only
- of inventorship (Rule 4.17(iv)) for US only
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PKNB KINASE AND PSTP PHOSPHATASE AND METHODS OF IDENTIFYING INHIBITORY SUBSTANCES

(57) Abstract: The present invention relates to a pknB kinase and a pstP phosphatase as well as their use for identifying antibacterial substances.

WO 2005/007880 A1

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/007880 A1

(51) International Patent Classification⁷: **C12Q 1/48**,
1/42, 1/18

(21) International Application Number:
PCT/IB2004/003096

(22) International Filing Date: 19 July 2004 (19.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/487,943 18 July 2003 (18.07.2003) US

(71) Applicant (for all designated States except US): **INSTITUT PASTEUR** [FR/FR]; 25-28, rue du Docteur Roux, F-75015 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ALZARI, Pedro** [IT/FR]; 141, rue de Vaugirard, F-75015 Paris (FR). **BOITEL, Brigitte** [FR/FR]; 37, rue de Sahel, F-75012 Paris (FR). **VILLARINO, Andréa** [UY/FR]; 198 bis rue Raymond Losserand, F-75014 Paris (FR). **FERNANDEZ, Pablo** [AR/FR]; 197, rue de Tolbiac, F-75013 Paris (FR). **COLE, Stewart** [GB/FR]; 23 bis, rue Cécile Dinant, F-92140 Clamart (FR).

(74) Agents: **MARTIN, Jean-Jacques et al.**; Cabinet Regimbeau, 20, rue de Chazelles, F-75847 Paris Cedex 17 (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- of inventorship (Rule 4.17(iv)) for US only
- of inventorship (Rule 4.17(iv)) for US only
- of inventorship (Rule 4.17(iv)) for US only
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

(48) Date of publication of this corrected version:

21 April 2005

(15) Information about Correction:

see PCT Gazette No. 16/2005 of 21 April 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **PKNB KINASE AND PSTP PHOSPHATASE AND METHODS OF IDENTIFYING INHIBITORY SUBSTANCES**

(57) Abstract: The present invention relates to a pknB kinase and a pstP phosphatase as well as their use for identifying antibacterial substances.

WO 2005/007880 A1